

Vermont Mental Health Performance Indicator Project
Agency of Human Services, Department of Health, Division of Mental Health
Weeks Building, 103 South Main Street, Waterbury, VT 05671-1601

MEMORANDUM

TO: Vermont Mental Health Performance Indicator Project
Advisory Group and Interested Parties

FROM: John Pandiani and Stephen Morabito

DATE: September 17, 2004

RE: Behavioral Health Inpatient Data 2002

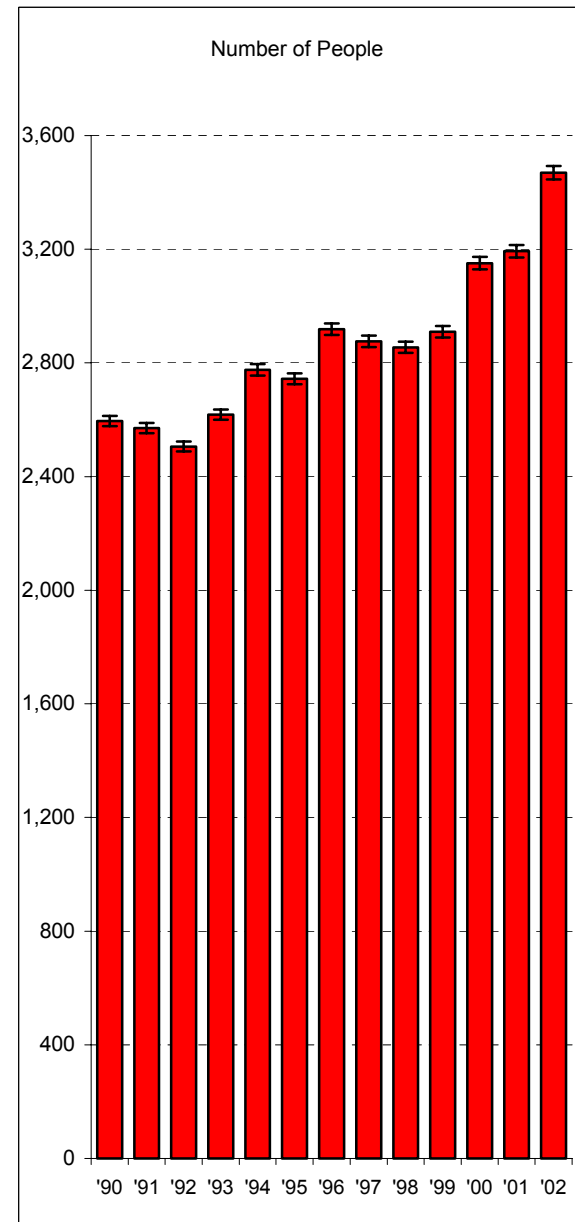
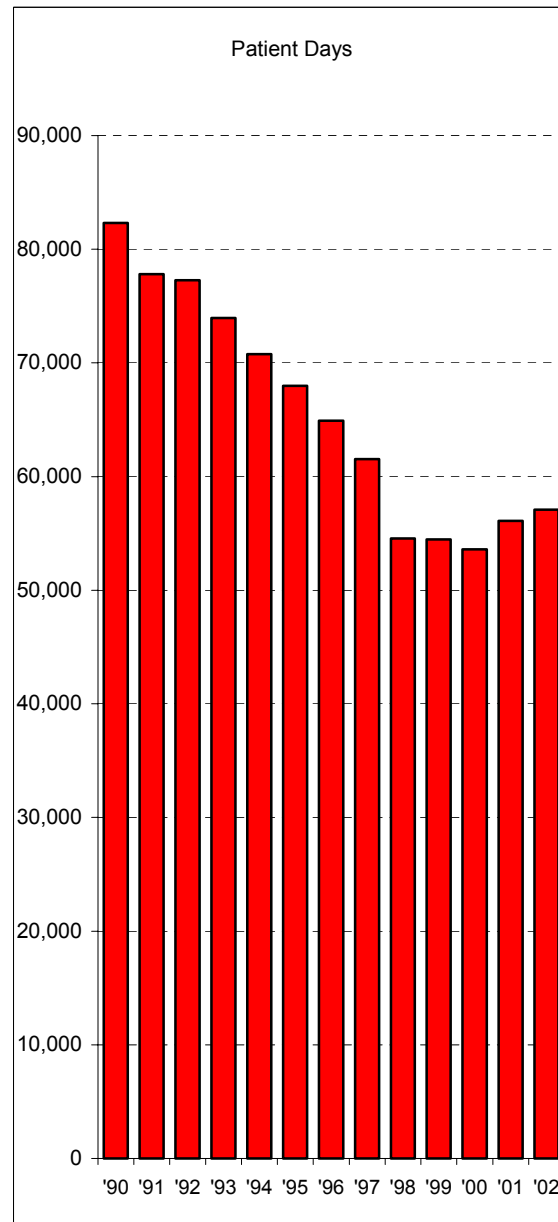
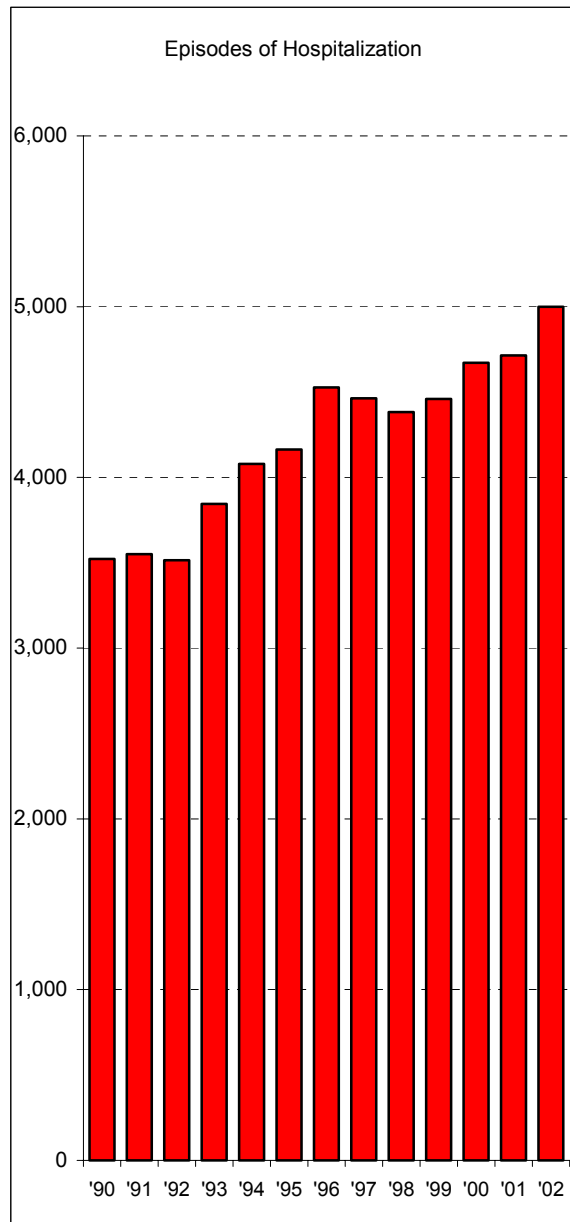
The Vermont Mental Health Performance Indicator Project has begun data analysis in preparation for the 2002 edition of our annual report on "Inpatient Behavioral Health Care Services Provided to Vermont Residents." This report will include a detailed description of service utilization patterns for the thirteen-year period, 1990-2002. This week's PIP provides three basic measures of inpatient mental health and substance abuse service utilization in Vermont for that time period. These measures include the number of episodes of care, the number of patient days, and the unduplicated number of individuals served. This information is provided for Vermont residents who received inpatient mental health and/or substance abuse services in Vermont, New Hampshire, Massachusetts, and neighboring counties of New York.

This report is based completely on analysis of existing databases. Data for this analysis were provided by the Vermont Department of Health, the Vermont State Hospital, and the Brattleboro Retreat (Vermont's only private psychiatric hospital). The data provided by the Department of Health were extracted from Vermont's Hospital Discharge Data Set (a data set available in most states) that includes detailed (but de-identified) information regarding all episodes of hospitalization for Vermont residents that occur in general hospitals and veterans' hospitals in Vermont and surrounding states. Because these data sets do not include unique person identifiers, Probabilistic Population Estimation was used to determine unduplicated counts of individuals served.

As you will see, this analysis indicates that there were significant increases in number of people served and episodes of care between calendar years 2001 and 2002 (+9% and +6%, respectively). The increase in the number of people served was greatest at the Brattleboro Retreat (+10%) and at Vermont general hospitals (+8%). The Vermont State Hospital recorded a decrease in the number of people served during this time period. The increase in the number of episodes of care was greatest at the "Other Out-of-State Hospitals" (38%) and the Veteran's Hospital in White River Junction (+14%). The Vermont State Hospital and New Hampshire general hospitals recorded decreases in the number of episodes of care during this time period.

We look forward to your comments and suggestions for future analysis of this very rich data set at pip@ddmhs.state.vt.us or call 802-241-2638.

INPATIENT BEHAVIORAL HEALTH CARE SERVICES Provided To Vermont Residents During 1990 - 2002



INPATIENT BEHAVIORAL HEALTH CARE SERVICES

Provided to Vermont Residents During 1990-2002

Episodes of Hospitalization by Hospital Type

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total	3,523	3,550	3,515	3,846	4,079	4,164	4,528	4,464	4,382	4,459	4,671	4,714	5,000
VT General Hospitals	2,060	1,986	2,020	2,069	2,231	2,142	2,514	2,576	2,451	2,586	2,713	2,644	2,832
Vermont State Hospital	488	501	401	382	405	381	354	380	309	293	261	300	272
Brattleboro Retreat	226	242	256	346	377	519	639	678	761	712	850	937	997
VA Hospital - WRJ	218	224	235	241	260	254	236	236	236	255	260	228	260
New Hampshire Hospitals	494	553	504	662	703	730	679	482	500	503	492	474	458
Other Out-of-State Hospitals	37	44	99	146	103	138	106	112	125	110	95	131	181

Patient Days by Hospital Type

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total	82,315	77,816	77,269	73,955	70,786	67,986	64,919	61,548	54,548	54,418	53,596	56,101	57,090
VT General Hospitals	22,835	22,066	22,287	21,291	20,962	19,498	20,034	19,781	18,114	20,054	19,075	19,599	20,246
Vermont State Hospital	41,265	37,143	35,130	31,602	27,778	27,059	23,452	23,827	19,961	19,815	17,963	19,039	20,394
Brattleboro Retreat	7,165	6,288	5,538	7,265	7,589	9,735	12,373	11,709	10,635	8,782	11,308	11,054	9,708
VA Hospital - WRJ	3,442	3,244	5,389	3,474	3,792	3,667	3,086	1,850	1,484	1,493	1,543	1,745	1,752
New Hampshire Hospitals	7,106	8,523	7,068	8,859	8,482	6,058	4,968	2,990	2,821	3,099	2,722	3,257	3,294
Other Out-of-State Hospitals	502	552	1,857	1,464	2,183	1,969	1,006	1,391	1,533	1,175	985	1,407	1,696

Unduplicated Number of People Hospitalized by Hospital Type

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total	2,596 ± 18	2,571 ± 18	2,506 ± 17	2,618 ± 18	2,776 ± 20	2,744 ± 19	2,919 ± 20	2,876 ± 20	2,855 ± 20	2,910 ± 20	3,151 ± 22	3,193 ± 22	3,469 ± 24
VT General Hospitals	1,672 ± 12	1,596 ± 11	1,609 ± 12	1,589 ± 11	1,652 ± 12	1,568 ± 12	1,781 ± 13	1,775 ± 13	1,717 ± 12	1,816 ± 13	1,981 ± 15	1,931 ± 14	2,078 ± 16
Vermont State Hospital	413	428	349	323	344	330	289	314	270	266	229	267	232
Brattleboro Retreat	204	212	215	267	296	421	486	536	485	560	692	743	819
VA Hospital - WRJ	171 ± 2.4	174 ± 2.4	164 ± 2.2	187 ± 2.4	192 ± 2.8	200 ± 3.0	182 ± 2.7	146 ± 2.0	141 ± 2.0	147 ± 2.0	169 ± 2.0	157 ± 2.0	161 ± 2
New Hampshire Hospitals	374 ± 3.3	410 ± 3.5	386 ± 3.4	495 ± 4.3	558 ± 4.7	546 ± 4.5	480 ± 4.1	374 ± 4.0	395 ± 3.0	379 ± 3.0	346 ± 3.0	356 ± 3.0	359 ± 3
Other Out-of-State Hospitals	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

INPATIENT BEHAVIORAL HEALTH CARE SERVICES BY HOSPITAL TYPE 1990 - 2002

